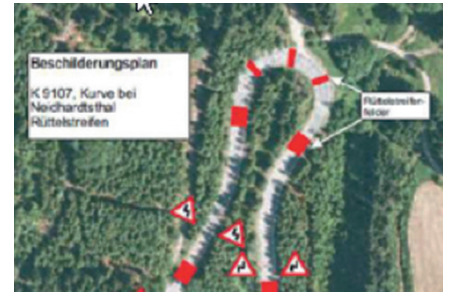


RUMBLE STRIPES

ERZGEBIRGE, GERMANY



PROJECT OBJECTIVE

Many motorcycle accidents occurring at hazardous curves are typically a direct result of excessive speed, misjudgment of the driver and traffic related fundamentals or quick emergency braking maneuvers. To reduce the speed with which motorcyclists enter accident black spots and to alert other motorists of unexpected hazards on track of the road ahead, some countries have been installing rumble strips.

DEGAROUTE® based cold-plastic rumble stripes were installed at the approaches of hazardous bends on a section of road in Germany’s Erzgebirge region, creating raised bands of thick-layer markings that have positively influenced driving behavior and improved road safety by reducing the number of accidents.

First, a 450 mm (15.7 inch) wide rumble strip was applied, colored with fluorescent pigments to a bright

yellow shade for better visibility in daylight. This was followed by the application of four semicircular raised bands with a maximum height of 15 mm (590 mils) above the pavement. Subsequently, three raised white strips measuring 120 mm (4.7 inch) in width were applied to create an elevation of approximately 10 mm.

SITE		APPLICATION	
COUNTRY	Germany	SYSTEM	Profile marking
LOCATION	Hairpin bend on the K9107	SURFACE	Asphalt
APPLICATION DATE	2012	EQUIPMENT	Manual application, by using a draw box with integrated template
APPLICATOR	Rumble stripes	THICKNESS	Up to 15 mm (590 mils) above pavement

PERFORMANCE

- No damage to the road (unlike milled-in or rolled-in profiles)
- Shiny colors warn bikers of dangerous curves and reduce speed due to vibrations
- Audible and haptic signal to alert the driver
- Special profile makes stripes resistant against snow plow
- No accidents since application, Winner of German Traffic safety award 2013